



U.S. Department of Energy
Energy Efficiency and Renewable Energy

weatherization and intergovernmental program



Inventions & Innovation



NICE³

**Weatherization and Intergovernmental Program
Office of Energy Efficiency and Renewable Energy
U.S. Department of Energy**



Inventions & Innovation **NICE³**



Inventions & Innovation

Inventions & Innovation (I&I) provides financial assistance to individual inventors and small businesses for innovative ideas and inventions within the mission area of the Office of Energy Efficiency and Renewable Energy.

www.eere.energy.gov/inventions

NICE³

NICE³ advances U.S. competitiveness by providing funding for the first demonstration of energy efficient and clean production manufacturing and industrial technologies.

www.oit.doe.gov/nice3



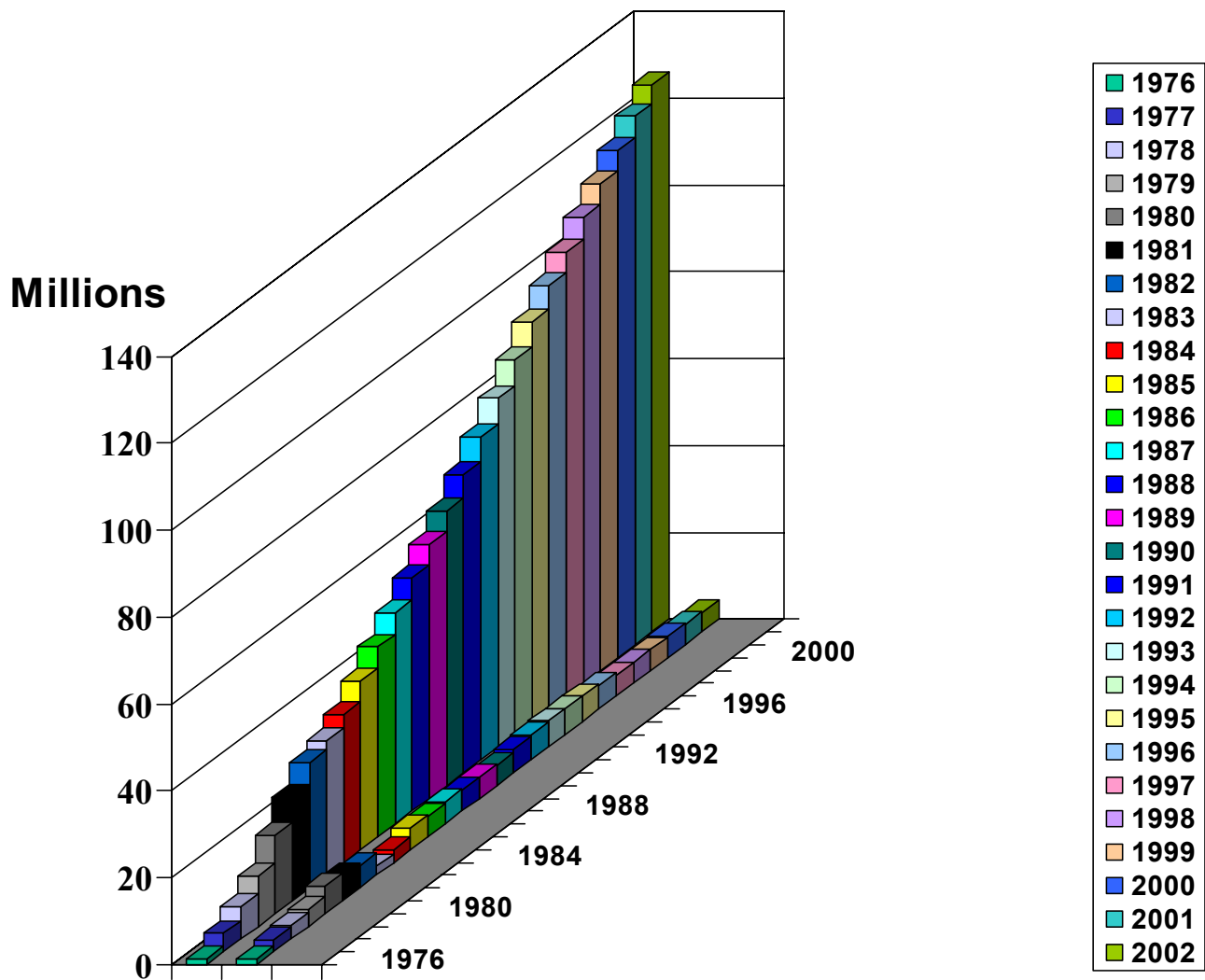
Technologies are funded in the Office of Energy Efficiency and Renewable Energy Program areas. These programs include:

- **Biomass**
- **Building Technologies**
- **Distributed Energy and Electrical Reliability**
- **Federal Energy Management**
- **FreedomCAR and Vehicle Technologies**
- **Geothermal Technologies**
- **Hydrogen, Fuel Cells, and Infrastructure Technologies**
- **Industrial Technologies**
- **Solar Energy Technologies**
- **Wind and Hydropower Technologies**
- **Weatherization and Intergovernmental**

To learn more about these programs, visit the EERE Web site at www.eere.energy.gov

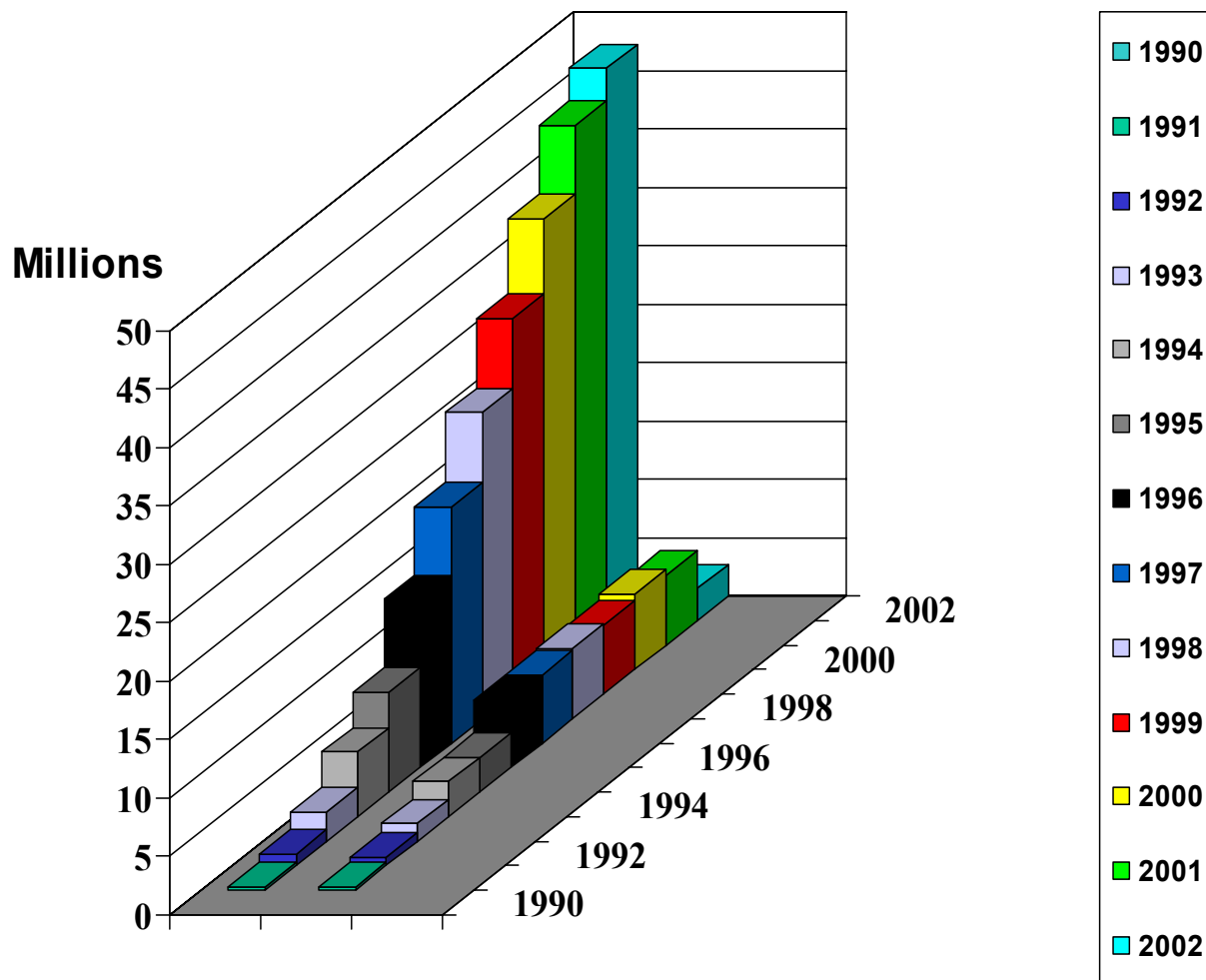


Yearly and Cumulative Funding for I&I





Yearly and Cumulative Funding for NICE³





I&I Implementation

- **Annual solicitation**
- **EERE Programmatic review is required for selection**
- **Funding available at two levels**
 - Up to \$75,000 for proof of concept and technical feasibility [Category 1]
 - Up to \$250,000 for research, development and demonstration [Category 2]



NICE³ Implementation

- **Annual solicitation**
- **Industry may receive a maximum of \$500,000 in federal funding**
- **Non-federal cost share must be at least 50% of the total cost of the project**
- **States have flexibility to either endorse the project to DOE or apply as the direct applicant**
- **BUT...**



I&I Portfolio



	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>
–Agriculture	-	-	2
–Aluminum	1	3	1
–Chemicals	2	3	-
–Forest products	-	-	-
–Glass	3	2	4
–Metal Casting	5	1	1
–Mining	2	1	-
–Petroleum	3	3	-
–Steel	1	2	1
–Crosscutting			
Adv Materials	-	-	-
Adv Turbines	1	-	-
Combustion	2	4	-
Motors	-	-	-
Sensors	-	-	2
–Other Industries	5	5	7
–Total	25	26	18



NICE³ Portfolio



	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>
–Agriculture	1		
–Aluminum		1	
–Chemicals	1		2
–Forest products		2	1
–Glass			1
–Metal casting	1	2	1
–Mining	1		1
–Petroleum	1	1	
–Steel	1	2	1
–Crosscutting	2	5	1
–Total	8	13	8



Cumulative Energy Savings



Inventions & Innovation

973.156¹² Btu












NICE³

34.363¹² Btu



Contributing to EERE's Success

	Emerging Technologies	Commercial Technologies
AGRICULTURE 	50% (1/2)	100% (3/3)
ALUMINUM 	50% (4/8)	83% (5/6)
CHEMICALS 	33% (8/24)	38% (6/16)
FOREST PRODUCTS 	54% (7/13)	80% (8/10)
GLASS 	25% (2/8)	0% (0/4)
METAL CASTING 	40% (2/5)	40% (2/5)
MINING 	0% (0/2)	0% (0/0)
PETROLEUM 	25% (1/4)	50% (2/4)
STEEL 	38% (5/13)	50% (6/12)
CROSSCUTTING	73% (24/33)	75% (30/40)
OTHER INDUSTRIES	100% (10/10)	67% (6/9)



Solicitation Schedule



I&I FY 03 Solicitation Schedule:

Proposal Request	February 12, 2002
Proposals Due	April 11, 2003
Selected Proposals Announced	Fall 2003

I&I FY 04 Solicitation to be opened in Spring 2004.

NICE³ was terminated in the President's 2004 budget.



For More Information



Visit the Office of Energy Efficiency and Renewable Energy Web site:

www.eere.energy.gov

Visit the Inventions & Innovation Web site:

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And eventually “ /i

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